

## **IN THE CLAIMS**

Please amend the following claims.

1-11. (Canceled)

12. (Previously presented) A contraceptive or sterilization device for occluding a reproductive body lumen to prevent the passage of reproductive cells therethrough, comprising: a) a tubular member having a first end, a second end, and a lumen extending therein, which is at least in part expandable within the reproductive body lumen from a first configuration to a second larger configuration; and b) a mesh member connected to the tubular member, which is permeable to allow for tissue ingrowth to thereby occlude the reproductive body lumen.

13. (Previously presented) A contraceptive device installed within a lumen of the patient's reproductive system, comprising a) a tubular member having a first end, a second end, and a lumen extending therein, and having at least a portion thereof which is secured to a body wall portion defining at least in part the lumen of the patient's reproductive system; and b) an occluding member connected to the tubular member comprising an epithelialized mesh which occludes the lumen of the patient's reproductive system sufficiently to prevent the passage of reproductive cells therethrough.

14. (Previously presented) A contraceptive system, comprising a) a catheter having a proximal end, a distal end, and a lumen extending at least in part therein; and b) a contraceptive device releasably connected to the catheter, having a tubular member having a first end, a second end, and a lumen extending therein, which is at least in part expandable within the reproductive body lumen from a first configuration to a second larger configuration, and having a mesh member connected to the tubular member, which is permeable to allow for tissue ingrowth to thereby occlude the reproductive body lumen.

15. (Previously presented) A method of contraception comprising the steps of a) inserting within a desired body lumen a contraceptive device comprising a tubular member and a mesh member connected thereto; b) expanding the tubular member within the body lumen; c) securing the expanded tubular member to a wall portion defining at least in part the body lumen; and d) epithelializing the mesh member to occlude the body lumen.

16. (Previously presented) The method of claim 15 wherein the step of expanding the tubular member comprises the step of releasing a radially compressive force on the tubular member.

17. (Previously presented) The method of claim 16 wherein the contraceptive device is disposed within a lumen of a delivery catheter, and the step of releasing the radially compressive force comprises longitudinally displacing the tubular member out a distal end of the delivery catheter.

18. (Previously presented) The method of claim 15 wherein the expanded tubular member is disposed within the body lumen for sufficient time for it to be epithelialized within the body lumen and thereby secured to the wall portion.

19. (Previously presented) A contraceptive or sterilization device for occluding a fallopian tube to inhibit conception, comprising: a) a tubular structure having a first end, a second end, and a lumen extending therein, the tubular structure expandable within the fallopian tube from a first configuration to a second larger configuration; and b) a tissue ingrowth element connected to the tubular structure, the tissue ingrowth element inciting tissue ingrowth to thereby occlude the fallopian tube.

20-34. (Canceled)

35. (Previously presented) A sterilization device occluding a reproductive body lumen to prevent the passage of reproductive cells therethrough, comprising: a) a tubular member having a first end, a second end, and a lumen extending therein, the tubular member at least in part expandable within the reproductive body lumen from a first configuration to a second larger configuration; and b) a mesh member connected to the tubular member, the mesh member permeable and receiving tissue ingrowth therein so as to occlude the reproductive body lumen.

36. (Currently amended) A contraceptive device installed within a lumen of a [[the]] patient's reproductive system, comprising a) a tubular member having a first end, a second end, and a lumen extending therein, and having at least a portion thereof which is secured to a body wall portion defining at least in part the lumen of the patient's reproductive system; and b) an occluding member connected to the tubular member comprising a mesh receiving tissue ingrowth therein, the ingrown mesh occluding the lumen of the patient's reproductive system sufficiently to prevent the passage of reproductive cells therethrough.

37-105. (Canceled)

106. (New) A method of contraception comprising: a) inserting within a fallopian tube a contraceptive device having a tubular structure with a first end, a second end and a lumen extending therein, and a tissue ingrowth element connected to the tubular structure; b) expanding the tubular structure within the fallopian tube from a first configuration to a second larger configuration; and c) epithelializing the tissue ingrowth element to thereby occlude the fallopian tube.

107. (New) A contraceptive or sterilization device for occluding a fallopian tube to inhibit conception, comprising: a) a tubular structure having a first end, a second end, and a lumen extending therein, the tubular structure expandable within the fallopian tube from a first configuration to a second larger configuration; and b) a tissue ingrowth element wound into

the tubular structure, the tissue ingrowth element inciting tissue ingrowth to thereby occlude the fallopian tube.